



CITY OF POMONA

COUNCIL REPORT

July 15, 2019

To: Honorable Mayor and Members of the City Council

From: Linda Lowry, City Manager

Submitted By: Darron Poulsen, Water Resources Director

SUBJECT: Approve an Amendment to the Agreement with joyAutomation to provide Professional Support and Maintenance Services to the City's Water Supervisory Control and Data Acquisition (SCADA) System

RECOMMENDATION:

It is recommended that the City Council take the following actions:

- 1) Approve an amendment to the agreement with joyAutomation; adding software replacement and keeping all other terms intact; and
- 2) Authorize the City Manager to execute the agreement amendment and future renewal options with joyAutomation to provide professional support and maintenance to the City's SCADA system.

EXECUTIVE SUMMARY:

The recommended contract amendment to joyAutomation will provide the necessary professional support needed to upgrade and maintain the City's water Supervisory Control and Data Acquisition (SCADA) system. The City's Water Resources Department staff utilizes the SCADA system to monitor and control the City's potable and recycled water systems. The SCADA system allows for the computerized control of equipment, well and booster pumps, water treatment and storage facilities, and water quality monitoring instruments.

FISCAL IMPACT:

Funds for the professional services are available in the FY 2019-20 Water Operating Budget (571-8123-52285-00000). The annual anticipated and budgeted amount for the joyAutomation contract is approximately \$150,000. Staff does not anticipate having a need to exceed the budgeted amount during FY 2019-20. Funding for future year contract amounts will be included in future annual budget submissions.

PREVIOUS RELATED ACTION:

On November 19, 2018 City Council approve an agreement with joyAutomation to provide professional support and maintenance services to the City's Water Supervisory Control and Data Acquisition (SCADA) system at the prices bid for a three year term, with an extension option for up to two additional years in one year increments.

DISCUSSION:

The SCADA system is a complex system made up of computer software, hardware, and wireless communication systems. The SCADA system operates 24/7 and controls equipment, processes, and alerts staff when systems are outside of preset compliance parameters. In order to keep the system up to date and able to monitor and control necessary equipment and processes, the system needs to be upgraded and maintained.

The SCADA system needs to be malleable to keep pace as water production and treatment processes are modified and/or added as new requirements are implemented by Federal and State regulations. The amendment to joyAutomation agreement will enable software to be replaced and/or upgraded. Any changes made will be done on an as needed basis and at the hourly rates provided in their contract which shall remain unchanged by the proposed amendment.

The necessary upgrades consist of software replacements and modifications to the system that allow for more advanced monitoring. Thereby, increasing the ability to control systems remotely and reducing the need for operators to return to work afterhours, and will allow more Water Operations staff to access the system remotely. Some of the software changes will modify the user interface view making it more user friendly, adding additional screens, and changing system processes and controls.

Prepared by:

Jason Interlicchia
Water Production Crew Chief